# M 4.3, 21 km SSE of Port Graham, Alaska

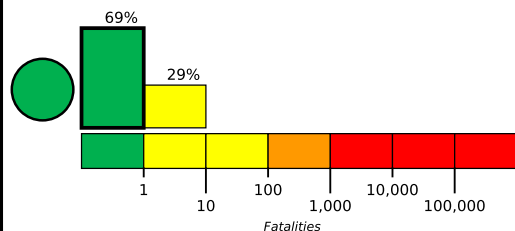Origin Time: 2021-01-26 22:23:25 UTC (Tue 13:23:25 local)
Location: 59.1764° N 151.6701° W Depth: 41.9 km
**FOR TSUNAMI INFORMATION, SEE: tsunami.gov**

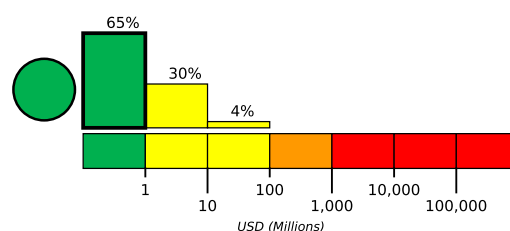Created: 15 minutes, 49 seconds after earthquake

## Estimated Fatalities

69%
29%

1  10  100  1,000  10,000  100,000
*Fatalities*

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
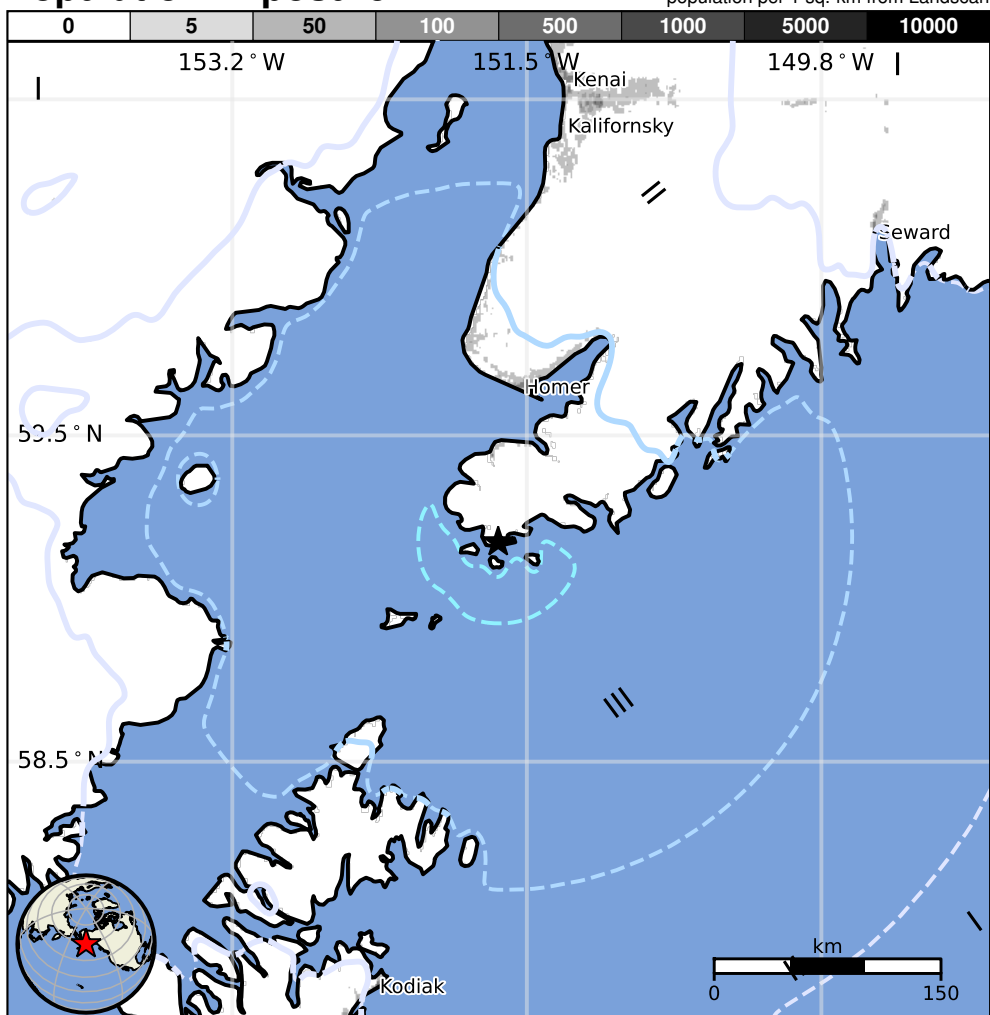
## Estimated Economic Losses

65%
30%
4%

1  10  100  1,000  10,000  100,000
*USD (Millions)*

## Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | 7k* | 59k | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |
|---|---|---|---|---|---|---|---|



153.2° W   151.5° W   149.8° W

Kenai
Kalifornsky
Seward
Homer
59.5° N
58.5° N
Kodiak

km
0    150

## Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

## Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|---|---|---|---|---|
| 1999-12-06 | 263 | 7.0 | V(13k) | – |
| 1964-03-28 | 303 | 9.2 | VIII(24k) | – |
| 1964-03-28 | 303 | 9.2 | VIII(24k) | 0 |

## Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|---|---|---|
| III | Diamond Ridge | 1k |
| **III** | **Homer** | **5k** |
| III | Anchor Point | 2k |
| III | Fritz Creek | 2k |
| **II** | **Kalifornsky** | **8k** |
| II | Cohoe | 1k |
| **II** | **Kenai** | **7k** |
| II | Soldotna | 4k |
| II | Sterling | 6k |
| **II** | **Kodiak** | **6k** |
| **I** | **Seward** | **3k** |

bold cities appear on map.    (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/ak02117d7jj0#pager

**Event ID: ak02117d7jj0**